

5 Leu Lys Ala Met Asp Pro Thr Pro Pro Leu Trp Ile Lys Thr Glu.

2. (amended) The composition of matter [comprising] consisting essentially of [Anti-LTNF including] polyclonal or monoclonal antibodies made [versus] against

B' cont
[any active portion of LTNF-n sequence and specifically those antibodies to LTNF-15, LTNF-10 and LTNF-5, comprising of 15, 10 and 5 amino acids, respectively, from the N-terminal of LTNF-n] a peptide consisting of from 5 to fifteen amino acids from the N-terminal of the sequence

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Kindly cancel claim 4.

clay
B 2
5. (Amended) A process comprising bringing together [The anti-LTNFs] an anti-LTNF made [versus] against natural LTNF or [and versus] against synthetic peptides consisting of at least five amino acids of the sequence

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5 [detect] with at least one biological [toxins] toxin derived from animal, plant [and] or bacteria to cause an immunological reaction, and detecting a product of such reaction by ELISA.

Kindly cancel claim 6.

clay
B 3
7. (Amended) A process as in claim 5 [The anti-LTNFs provide essential reagents for the in vitro assay of] further comprising conducting an ELISA binding or ELISA titer on the product of the immunological reaction to determine the wholesomeness of the at least one biological [toxins existing in singular form, or in mixture,] toxin, in a manner comparable to animal bioassay.

8. (Amended) A process as in claim 5 wherein the biological toxin is contained in a fluid [The anti-LTNFs detect and assay the toxins from] selected from the group consisting of [foods] food, blood sera and other body [fluids] fluid, saliva, milk, and urine [etc. by ELISA test in

antigen capture format, or any similar test] .

9. (Amended) A method for assessing [The] neutralizing potency [of] of an anti-toxin for a toxin, said method comprising

determining [is the] a neutralizing index given by [the] an [toxin] assay for the toxin minus an [anti-toxin mixture] assay for a mixture of the toxin plus the antitoxin;

5 wherein[,] the toxin assay is determined by ELISA test of the toxin plus normal serum;

and the toxin plus anti-toxin mixture assay is determined by ELISA test of a mixture of toxin plus anti-toxin mixture, such mixture containing a reduced amount of free toxin due to neutralization by the anti-toxin.

wherein anti-LTNF as set forth in claim 2 is used as a reagent for the ELISA tests.

10. (Twice Amended) A method as in claim 9 wherein [The neutralizing potency of] the anti-toxins [including] are anti-venoms [can be assayed by in vitro test using anti-LTNF compositions as in claim 2 as reagent, and thus saving thousands of mice as well as time and money].

11. (Amended) A composition of matter consisting essentially of [comprising] an antibody made [versus] against a peptide containing at least five amino acids from the N-terminal sequence
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13. (Amended) A composition of matter as in claim 12, which reacts [immunologically] immunologically with a toxin selected from the group consisting of an animal toxin, a plant toxin and bacterial toxin.

14. (Amended) A process comprising contacting, in vitro, a biological toxin with an antibody made [versus] against a sequence of at least five amino acids from the N-terminal of the sequence
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under conditions to cause the biological toxin to react immunologically with said antibody.